

**WEST****End of Result Set**

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L5: Entry 1 of 1

File: JPAB

Feb 17, 1988

DOCUMENT-IDENTIFIER: JP 63037125 A

TITLE: MODIFIED POLYAMIDE BASED ELASTOMER AND PRODUCTION THEREOF**Abstract (1):**

**PURPOSE:** To obtain an elastomer, by polycondensing a specific polyamide with polyoxyalkylene glycol and dicarboxylic acid, having remarkably improved tensile strength as well as permanent set and effective in various uses.

**Abstract (2):**

**CONSTITUTION:** An elastomer, obtained by polycondensing (A) a polyamide having carboxyl groups and/or carboxylic acid ester groups at both terminals as a polyamide component with (B) a polyoxyalkylene glycol having hydroxyl groups at both terminals as a polyether component and (C) a cis-type fatty acid dicarboxylic acid and/or a derivative thereof and containing 95~10wt% units derived from the component (A), 4~85wt% units derived from the component (B) and 0.01~5wt% units derived from the component (C). The elastomer is prepared by reacting the three components in a molten state in the presence of a catalyst. The above-mentioned elastomer has 0.5~5.0dl/g intrinsic viscosity in m-cresol at 25°C and 300~15,000 average molecular weight.

**Set Name Query**  
side by side**Hit Count Set Name**  
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L10</u>	composit\$5 and (polyamide based elastomer) and glycol [clm]	4	<u>L10</u>
<u>L9</u>	composit\$5 and (polyamide based elastomer) and glycol [ab]	0	<u>L9</u>
<u>L8</u>	composit\$5 and (polyamide based elastomer) and glycol [ti]	0	<u>L8</u>
<u>L7</u>	composit\$5 and (polyamide based elastomer) and glycol	25	<u>L7</u>
<u>L6</u>	(polyamide based elastomer) and glycol [clm]	4	<u>L6</u>
<u>L5</u>	(polyamide based elastomer) and glycol [ab]	1	<u>L5</u>
<u>L4</u>	(polyamide based elastomer) and glycol [ti]	0	<u>L4</u>
<u>L3</u>	(polyamide based elastomer) and glycol	27	<u>L3</u>
<u>L2</u>	(polyamide near elastomer) and glycol	669	<u>L2</u>
<u>L1</u>	elastomer and glycol	21004	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.**☐ 1. Document ID: US 20010007006 A1

L10: Entry 1 of 4

File: PGPB

Jul 5, 2001

PGPUB-DOCUMENT-NUMBER: 20010007006  
PGPUB-FILING-TYPE: new-utility  
DOCUMENT-IDENTIFIER: US 20010007006 A1

TITLE: Polyacetal resin composition

PUBLICATION-DATE: July 5, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tanimura, Noritaka	Kurashiki-shi		JP	
Matsushika, Tadao	Kurashiki-shi		JP	

US-CL-CURRENT: 525/398; 525/472

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc	Image										

☐ 2. Document ID: US 6384179 B1

L10: Entry 2 of 4

File: USPT

May 7, 2002

US-PAT-NO: 6384179  
DOCUMENT-IDENTIFIER: US 6384179 B1

TITLE: Polyacetal resin composition

DATE-ISSUED: May 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanimura, Noritaka	Kurashiki			JP
Matsushika, Tadao	Kurashiki			JP

US-CL-CURRENT: 528/230; 525/154, 525/155, 525/232, 525/237, 525/402, 525/88, 525/95,  
525/98, 528/239, 528/489, 528/491, 528/499

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc	Image										

☐ 3. Document ID: US 5846642 A

L10: Entry 3 of 4

File: USPT

Dec 8, 1998

US-PAT-NO: 5846642

DOCUMENT-IDENTIFIER: US 5846642 A

TITLE: Polyester film for thermal lamination

DATE-ISSUED: December 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kimura; Masahiro	Otsu			JP
Imai; Shiro	Kyoto			JP

US-CL-CURRENT: 428/323, 428/35.8, 428/458, 428/480, 428/483, 525/165, 525/174, 525/177,  
525/88, 525/92B, 525/92F, 525/98

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw. Desc	Image									

☐ 4. Document ID: US 5070173 A

L10: Entry 4 of 4

File: USPT

Dec 3, 1991

US-PAT-NO: 5070173

DOCUMENT-IDENTIFIER: US 5070173 A

TITLE: Thermoplastic polyurethane

DATE-ISSUED: December 3, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yokota; Masahisa	Nobeoka			JP
Shimizu; Atsushi	Yokohama			JP
Komiya; Kyosuke	Kurashiki			JP
Yamataka; Kazunori	Yokohama			JP
Nomura; Tadanori	Nobeoka			JP

US-CL-CURRENT: 528/85

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw. Desc	Image									

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 20020077430 A1

L1: Entry 1 of 1

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077430  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020077430 A1

TITLE: Electrostatic-dissipative multipolymer compositions

PUBLICATION-DATE: June 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zimmerman, Daniel	Stratford	CT	US	

US-CL-CURRENT: 525/420

Full	Title	INT.1	REV.1	CLS.1	REF.1	SEQ.1	ATT.1
CAW.1							

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Term	Documents
GLYCOL.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	339892
GLYCOLS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	80151
IMPACT.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	416034
IMPACTS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	49641
MODIFIER.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	46248
MODIFIERS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	39523
((IMPACT NEAR GLYCOL) ADJ MODIFIER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1
(GLYCOL NEAR IMPACT MODIFIER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	1

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## End of Result Set



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09/869425

L1: Entry 1 of 1

File: PGPB

Jun 20, 2002

DOCUMENT-IDENTIFIER: US 20020077430 A1

TITLE: Electrostatic-dissipative multipolymer compositions

Summary of Invention Paragraph (30):

[0027] The method of enhancing the electrostatic charge dissipation of a substantially transparent, moldable, thermoplastic methyl methacrylate copolymer comprises the step of blending the copolymer (possibly also with a polyethylene glycol and preferably also with an impact modifier) with an effective amount of a polyetheresteramide to enhance the electrostatic charge dissipation of the copolymer. The copolymer, polyethylene glycol and impact modifier (if used) and the polyetheresteramide and the amounts thereof are as described above. Preferably, the copolymer, polyethylene glycol and/or impact modifier (if used) and the polyetheresteramide are blended by melt blending the components at a temperature above the melting temperatures of the components.

Detail Description Paragraph (4):

[0030] A copolymer of methyl methacrylate with about 5 wt. % polyethylene glycol (referred to as "PEG" in Table II) having a weight average molecular weight of about 5,000 and without any polyethylene glycol was melt-blended with an impact modifier and with varying amounts of Pelestat.RTM. 6321, a polyetheresteramide having a refractive index of 1.512 (commercially available from Sanyo Chemical Industries, Tokyo, Japan). The copolymer (XT-375.RTM. available from Cyro Industries, Orange, Conn.) contained about 70 wt. % methyl methacrylate, about 20 wt. % styrene and about 10 wt. % acrylonitrile and had a refractive index of 1.515. The impact modifier consisted of 75 wt. % polybutadiene rubber grafted with 25 wt. % of a monomer mixture of methyl methacrylate and styrene in a ratio of 3:1. The impact modifier had a refractive index of 1.515 and was used in an amount of about 1 part to about 8 parts of the copolymer. The combination of the copolymer (with and without polyethylene glycol) and the impact modifier had a refractive index of 1.515 and is referred to in Table II below. The melt-blended components were injection molded into 1/8 inch tensile bars and tested as set forth in Table II before and after exposure to stress in the presence of lipids and isopropanol.

no prior art  
to teaching  
glycol as impact  
modifier  
and/or a component